

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference EL/2-22607/CGJ 126	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/EP 03/ 00650	International filing date (day/month/year) 23/01/2003	(Earliest) Priority Date (day/month/year) 01/02/2002
Applicant CIBA SPECIALTY CHEMICALS HOLDING INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☒ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP/00650

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09K11/06 H05B33/14 H01L51/20 C07D487/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09K H05B H01L C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 969 154 A (TEBALDI NANCY ET AL) 19 October 1999 (1999-10-19) column 7, line 59 -column 8, line 16 column 1, line 1 -column 7, line 55 examples	1-5,12
A	EP 0 499 011 A (JAPAT LTD) 19 August 1992 (1992-08-19) the whole document	1-11
X	example 7	12
	-/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

26 March 2003

Date of mailing of the international search report

03/04/2003

Name and mailing address of the ISA

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Doslik, N

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP/00650

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 087 006 A (CIBA SC HOLDING AG) 28 March 2001 (2001-03-28) cited in the application page 3, line 1 -page 4, line 24 page 5, line 21-24 page 9, line 58 -page 12, line 30 page 17, line 34-42 table 7 ----	1-5,8-12
X	EP 1 087 005 A (CIBA SC HOLDING AG) 28 March 2001 (2001-03-28) cited in the application page 3, line 1 -page 5, line 50 page 13, line 26-28 claims 1,4,5,7 ----	1-12
X	EP 1 078 970 A (CIBA SC HOLDING AG) 28 February 2001 (2001-02-28) page 3, line 1-57 page 8, line 18-30 ----	1-5,8,9, 12
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 072 (C-0808), 20 February 1991 (1991-02-20) & JP 02 296891 A (RICOH CO LTD), 7 December 1990 (1990-12-07) cited in the application abstract	1-11
X	----	12
A	PATENT ABSTRACTS OF JAPAN vol. 018, no. 145 (C-1178), 10 March 1994 (1994-03-10) & JP 05 320633 A (SUMITOMO CHEM CO LTD), 3 December 1993 (1993-12-03) cited in the application abstract	1-12
X	US 4 585 878 A (JOST MAX ET AL) 29 April 1986 (1986-04-29) the whole document -----	12

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-11

First group of inventions

Composition comprising two different diketopyrrolopyrroles (guest and host chromophore) in the way, that the absorption spectrum of the guest chromophore overlaps with the emission spectrum of the host chromophore.

1.1. Claim : 12

Second group of inventions

Only one diketopyrrolopyrrole.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/00650

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP/00650

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5969154	A	19-10-1999	AU 5752098 A DE 69704084 D1 DE 69704084 T2 WO 9825927 A1 EP 0944632 A1 JP 2001505887 T TW 442556 B	03-07-1998 22-03-2001 07-06-2001 18-06-1998 29-09-1999 08-05-2001 23-06-2001
EP 0499011	A	19-08-1992	EP 0499011 A1	19-08-1992
EP 1087006	A	28-03-2001	EP 1087006 A1 JP 2001139940 A	28-03-2001 22-05-2001
EP 1087005	A	28-03-2001	EP 1087005 A1 JP 2001097975 A	28-03-2001 10-04-2001
EP 1078970	A	28-02-2001	EP 1078970 A1 JP 2001098054 A US 6451459 B1	28-02-2001 10-04-2001 17-09-2002
JP 02296891	A	07-12-1990	NONE	
JP 05320633	A	03-12-1993	NONE	
US 4585878	A	29-04-1986	CA 1230341 A1 DE 3484782 D1 EP 0133156 A2 JP 1758542 C JP 4042431 B JP 60035056 A US 4666455 A	15-12-1987 14-08-1991 13-02-1985 20-05-1993 13-07-1992 22-02-1985 19-05-1987